CLAIMS

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is as follows:

1	1. A lithography system, comprising:
2	a reticle chamber having a reticle chamber opening;
3	a reticle chamber maintenance panel which is removably mounted to
4	the reticle chamber opening; and
5	a reticle stage housed within the reticle chamber and accessible and
6	removable through the reticle chamber opening.
1	2. The lithography system of claim 1, wherein the reticle stage is removable
2	from the reticle chamber in a first direction which is in a plane substantially
3	horizontal to a reticle table mounted to the reticle stage.
1	3. The lithography system of claim 2, wherein the reticle chamber
2	maintenance panel is pivotably mounted to the reticle chamber.
1	4. The lithography system of claim 1, wherein the reticle chamber opening is
2.	at an angle substantially equal to or between 0° and 45° with relation to the
3	reticle chamber.
1	5. The lithography system of claim 1, wherein the reticle chamber opening is
2	at an angle at or greater than 45° with relation to the reticle chamber.
1	6. The lithography system of claim 1, further comprising:
2	a projection optic system;

3	an illuminator optic system; and
4	a reticle table mounted to the reticle stage and positionable between
5	the projection optic system and the illuminator optic system.
1	7. The lithography system of claim 6, wherein the reticle table and the reticle
2	stage are removable through the reticle chamber opening in a plane which is
3	substantially perpendicular to a source illuminating from the illuminator optic
4	system.
1	8. The lithography system of claim 7, further comprising a body structure
2	which is mounted to a lower portion of the reticle chamber, the projection
3	optic system and the illuminator optic system being mounted to the body
4	structure.
1	9. The lithography system of claim 1, wherein the reticle chamber
2	maintenance panel is semi-cylindrically shaped.
1	10. The lithography system of claim 1, wherein the reticle stage is removeable
2	without disassembling the projection optic system or the illuminator optic
3	system.
1.	11. The lithography system of claim 1, wherein the reticle chamber opening
2	provides substantially complete access to the reticle stage.
1	12. The lithography system of claim 1, wherein the reticle chamber opening
2	provides access to substantially a center of gravity of the reticle stage.
1	13. A lithography system, comprising:

2	a reticle chamber having a reticle chamber angled opening,
3	a reticle chamber maintenance panel which is removably mounted to
4	the reticle chamber angled opening;
5	an optical system for illuminating and projecting a source;
6	a reticle stage having a reticle table, the reticle table positioned
7	between components of the optical system and housed with the reticle stage
8	within the reticle chamber,
9	wherein the reticle chamber angled opening provides access to the
10	reticle stage.
1	14. The lithography system of claim 13, wherein the reticle chamber angled
2	opening provides access to the reticle stage at substantially a center of gravity
1	15. The lithography system of claim 14, wherein the reticle stage is
2	removable from the reticle chamber via the reticle chamber angled opening.
1	16. The lithography system of claim 14, wherein the reticle stage is
2	removable from the reticle chamber via the reticle chamber angled opening in
3	a first direction which is in a plane substantially horizontal to the reticle table
1	17. The lithography system of claim 13, wherein the reticle chamber
2	maintenance panel is pivotably mounted to the reticle chamber.
1	18. The lithography system of claim 13, wherein the reticle angled chamber
2	opening is at an angle of approximately 45° with relation to the reticle
3	chamber such that the reticle chamber maintenance panel is removed, the
4	raticle stage partially extends from the raticle chamber

- 1 19.The lithography system of claim 13, further comprising a body structure
- 2 which is mounted to a lower portion of the reticle chamber, the projection
- 3 optic and the illuminator optic being mounted to the body structure during the
- 4 removal of the reticle table and the reticle stage.
- 1 20. The lithography system of claim 13, wherein the reticle chamber
- 2 maintenance panel is semi-cylindrically shaped.